C.
Qian

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/936,271B**

DATE: 07/30/2003
TIME: 11:59

Input Set : **A:\MTS3USAseqlist.txt**
Output Set: **N:\CRF4\07302003\I936271B.raw**

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 3 <110> APPLICANT: Yousef, George M.
 4        Diamandis, Eleftherios
 6 <120> TITLE OF INVENTION: Novel Human Kallikrein-Like Genes
 8 <130> FILE REFERENCE: MTS3USA
10 <140> CURRENT APPLICATION NUMBER: US 09/936,271B
11 <141> CURRENT FILING DATE: 2001-09-10
13 <150> PRIOR APPLICATION NUMBER: PCT/CA00/00258
14 <151> PRIOR FILING DATE: 2000-03-09
16 <150> PRIOR APPLICATION NUMBER: US 60/124,260
17 <151> PRIOR FILING DATE: 1999-03-11
19 <150> PRIOR APPLICATION NUMBER: US 60/127,386
20 <151> PRIOR FILING DATE: 1999-04-01
22 <150> PRIOR APPLICATION NUMBER: US 60/144,919
23 <151> PRIOR FILING DATE: 1999-07-21
25 <160> NUMBER OF SEQ ID NOS: 96
27 <170> SOFTWARE: PatentIn version 3.2
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30 <211> LENGTH: 4740
31 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
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39 gctgccagcc ccttctgggc ccccaaccac tgcctggtca gagttgaggc agcctgagag     180
41 agttgagctg gaagtttgca gcacctgacc cctggaacac atcccctggg ggcaggccag     240
43 cccaggctga ggatgcttat aagccccaag gaggcccctg cggaggcagc aggctggagc     300
45 tcagcccagc agtggaatcc aggagcccag aggtggccgg gtaagaggcc tggtggtccc     360
47 ccactaaaag cctgcagtgt tcatgatcca actctccta cagctccatg tcgctggatt     420
49 ctcagcctct gtgccttctg tctccacatc tctctagaca gatctctcac tgtctctagt     480
51 taggagtcac tgtctctagt taggggtctc tctgtctctc tgaatctata tctccatgtc     540
53 taactctcag actgtctctg aggatatctc tcaagcactc tgtctctccg gctctgattc     600
55 tctgtgtgtc ttccctccat gcttgtttgt gggtggctag acaccatctc tccccattca     660
57 cagatggcta gatgctttct ctaaactttc ctttctacct agttctctct ctctctcttt     720
59 tcccatctct ctctctcttt ttctctctca gtctctaaat ctgtctctct aggttctggg     780
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63 gggaagaaag ggagggacaa agagaggggat ggagagactt gggctgaaga tccccagaca     900
65 cggctaagtc tcagtcctca tccccaggtg ctgacgtgat ggccacagca ggaaatccct     960
67 ggggctggtt cctggggtac ctcatccttg gtgtcgcagg tatctgagta tgcgtgtgtg    1020
69 tgtctgtccg tgcttggggg cacagtgttt gttaatgttc aggtgtgact cagtgtcctc    1080
71 ttgcttgtga ctgcaaagct gcctgtgaga cggtaccgtg ttatccgtcc gccatggctg    1140
73 tgcccctgca actccttgta tcgtggtaaa tttgtgtgtg gcagtgtgcc tgggtgtgtg    1200
75 gttgtacctg tgagactctg acagtttgtg cctctgaata tctggtggag tgacaacagt    1260
77 gtaatgatga tatggggaca ggggaagccg agggtgcagg agattgtgct tcctggggcg    1320
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 85 cgactctttg agcatcagtc tgcgcagaca agtgacccga tccttgctcc cagcaacaac  1560
 87 tccaccccct gagctttaat tcaccccgaa ggacccgatc ctaccgctat gagcctagac  1620
 89 tcctctgttg aacccctcct gaccgtggct ttgcaccgcg atggcaccag tctcacctcc  1680
 91 agagctcacc ccagagccct gactccgccc cagaagccct ggtcccacct tctgagactg  1740
 93 cctctagcca taacccagct cttgaagcct tgatggcgcc cctgcgctgt aaccccaacc  1800
 95 ctaggagcac tgatcccgcc ttctcagccc acccccatgc cctgactctc ctcccaggag  1860
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101 cacccccagg agccctgggt ccgccccctg ggcccgcccc cagccctgac tcggccccccc  2040
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109 cccgcctcct ggtcccgatc ccatccctga ctccgccctc aggatctctc gtctctggta  2280
111 gctgcagcca aatcataaac ggcgaggact gcagcccgca ctcgcagccc tggcaggcgg  2340
113 cactggtcat ggaaaacgaa ttgttctgct cgggcgtcct ggtgcatccg cagtgggtgc  2400
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117 ggtccggggg cggggcctaa tatcaggctc atcttggggt gctcagggg aaacagcggt  2520
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121 ggaggcggga atcttgcttc ggaaggactc agagagccct gacttgaaat ctcagcccag  2640
123 tgctgagtct ctagtgaact aaggcaagtt cttgtccctg aattttgtg aatgaggatt  2700
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127 agatggggat gggaatgggg ttgaagatga gaatggaggt aaggatgtag ttgccacaaa  2820
129 actgacctgc cctccgtggc ccacagctcc tacaccatcg ggctgggcct gcacagtctt  2880
131 gaggccgacc aagagccagg gagccagatg gtggaggcca gcctctccgt acggcacccca  2940
133 gagtacaaca gacccttgct cgctaacgac ctcatgctca tcaagttgga cgaatccgtg  3000
135 tccgagtctg acaccatccg gagcatcagc attgcttcgc agtgccctac cgcggggaac  3060
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147 ggagaagggg gagacagaga cacacagggc cgcatggcga gatgcagaga tggagagaca  3420
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151 aataaagaga agcaaaggaa gagagaaaca gaaacagaca tggggaggca gaaacacaca  3540
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159 atgatatacc tttgttggaa ttttttgata tttctaagct acacagttcg tctgtgaatt  3780
161 tttttaaatt gttgcaactc tcctaaaatt tttctgatgt gtttattgaa aaaatccaag  3840
163 tataagtgga cttgtgcagt tcaaaccagg gttgttcaag ggtcaactgt gtacccagag  3900
165 ggaaacagtg acacagattc atagaggtga aacacgaaga gaaacaggaa aaatcaagac  3960
167 tctacaaaga ggctgggcag ggtggctcat gcctgtaatc ccagcacttt gggaggcgag  4020
169 gcaggcagat cacttgaggt aaggagttca agaccagcct ggccaaaatg gtgaaatcct  4080
171 gtctgtacta aaaatacaaa agttagctgg atatggtggc aggcgcctgt aatcccagct  4140
173 acttgggagg ctgaggcagg agaattgctt gaatatggga ggcagaggtt gaagtgagtt  4200
175 gagatcacac cactatactc cagctggggc aacagagtaa gactctgtct caaaaaaaaa  4260
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RAW SEQUENCE LISTING   DATE: 07/30/2003
PATENT APPLICATION: **US/09/936,271B**   TIME: 11:59:53

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177  aaaaaaaaag actttacaaa gagatgcaga gacactgaga cagataaaca agccacaaag   4320
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181  agcattcagg acataggaca tcgggaagca ggattagatg aagtcaggga tctggaatgg   4440
183  gacttccaac agatatgttg ctgggctatg ttgttattga tgatggttct gtctttgttt   4500
185  ctcagtctca tttagttcct ttctgagccc atatccattt ccacctctct gtgttttgaa   4560
187  ttctgactct ccctctcttc acaacagggt gactctgggg ggcccctgat ctgcaacggg   4620
189  tacttgcagg gccttgtgtc tttcggaaaa gccccgtgtg gccaagttgg cgtgccaggt   4680
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196  <212> TYPE: PRT
197  <213> ORGANISM: Homo sapiens
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201  Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile Asn Gly Glu Asp Cys
202  1               5                   10                  15
205  Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu Val Met Glu Asn Glu
206              20                  25                  30
209  Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp Val Leu Ser Ala
210          35                  40                  45
213  Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly Leu His Ser
214      50                  55                  60
217  Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu Ala Ser Leu
218  65                  70                  75                  80
221  Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu Ala Asn Asp Leu
222                  85                  90                  95
225  Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser Asp Thr Ile Arg
226              100                 105                 110
229  Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn Ser Cys Leu
230          115                 120                 125
233  Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Glu Leu Thr Gly Arg Met
234      130                 135                 140
237  Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu Val
238  145                 150                 155                 160
241  Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala
242              165                 170                 175
245  Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly
246              180                 185                 190
249  Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys
250          195                 200                 205
253  Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu Cys
254      210                 215                 220
257  Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
258  225                 230                 235
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262  <211> LENGTH: 254
263  <212> TYPE: PRT
264  <213> ORGANISM: Homo sapiens
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RAW SEQUENCE LISTING   DATE: 07/30/2003
PATENT APPLICATION: US/09/936,271B   TIME: 11:59:53

Input Set : A:\MTS3USAseqlist.txt
Output Set: N:\CRF4\07302003\I936271B.raw

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269 1                5                   10                  15
272 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile
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276 Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu
277          35                  40                  45
280 Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln
281      50                  55                  60
284 Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly
285 65                  70                  75                  80
288 Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met
289              85                  90                  95
292 Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu
293              100                 105                 110
296 Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu
297          115                 120                 125
300 Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala
301      130                 135                 140
304 Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg
305 145                 150                 155                 160
308 Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu
309              165                 170                 175
312 Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys
313              180                 185                 190
316 Ala Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly
317          195                 200                 205
320 Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly
321      210                 215                 220
324 Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu
325 225                 230                 235                 240
328 Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
329              245                 250
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333 <211> LENGTH: 278
334 <212> TYPE: DNA
335 <213> ORGANISM: Homo sapiens
337 <400> SEQUENCE: 4
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340 ctgcaacggt gactctgggg ggcccctgat ctgcaacggg tacttgcagg gccttgtgtc     120
342 tttcggaaaa gccccgtgtg gccaagttgg cgtgccaggt gcctacacca acctctgcaa     180
344 attcactgag tggatagaga aaaccgtcca ggccagttaa ctctggggac tgggaaccca     240
346 tgaaattgac ccccaaatac atcctgcgga aggaattc                             278
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349 <210> SEQ ID NO: 5
350 <211> LENGTH: 20
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial
354 <220> FEATURE:
355 <223> OTHER INFORMATION: primer
357 <400> SEQUENCE: 5
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358 tgacccgctg taccacccca                                                  20
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RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/936,271B**

DATE: 07/30/2003
TIME: 11:59:53

Input Set : **A:\MTS3USAseqlist.txt**
Output Set: **N:\CRF4\07302003\I936271B.raw**

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363 <212> TYPE: DNA
364 <213> ORGANISM: Artificial
366 <220> FEATURE:
367 <223> OTHER INFORMATION: primer
369 <400> SEQUENCE: 6
370 gaattccttc cgcaggatgt                                            20
373 <210> SEQ ID NO: 7
374 <211> LENGTH: 21
375 <212> TYPE: DNA
376 <213> ORGANISM: Artificial
378 <220> FEATURE:
379 <223> OTHER INFORMATION: primer
381 <400> SEQUENCE: 7
382 ggtgatctgc gccctggtcc t                                          21
385 <210> SEQ ID NO: 8
386 <211> LENGTH: 21
387 <212> TYPE: DNA
388 <213> ORGANISM: Artificial
390 <220> FEATURE:
391 <223> OTHER INFORMATION: primer
393 <400> SEQUENCE: 8
394 aggtgtccgg tggaggtggc a                                          21
397 <210> SEQ ID NO: 9
398 <211> LENGTH: 18
399 <212> TYPE: DNA
400 <213> ORGANISM: Artificial
402 <220> FEATURE:
403 <223> OTHER INFORMATION: primer
405 <400> SEQUENCE: 9
406 tgcgcaagtt caccctca                                              18
409 <210> SEQ ID NO: 10
410 <211> LENGTH: 19
411 <212> TYPE: DNA
412 <213> ORGANISM: Artificial
414 <220> FEATURE:
415 <223> OTHER INFORMATION: primer
417 <400> SEQUENCE: 10
418 ccctctcctt acttcatcc                                             19
421 <210> SEQ ID NO: 11
422 <211> LENGTH: 20
423 <212> TYPE: DNA
424 <213> ORGANISM: Artificial
426 <220> FEATURE:
427 <223> OTHER INFORMATION: primer
429 <400> SEQUENCE: 11
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433 <210> SEQ ID NO: 12
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/30/2003
PATENT APPLICATION: **US/09/936,271B**   TIME: 11:59:54

Input Set : **A:\MTS3USAseqlist.txt**
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<u>Invalid <213> Response:</u>
**Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.**

Seq#:5,6,7,8,9,10,11,12,15,16,17,18,19,20,24,25,26,27,28,29,30,31,32,33,34,35
Seq#:36,37,38,39,40,41,42,46,47,48,49,50,51,52,53,54,55,61,62,63,64,90

VERIFICATION SUMMARY   DATE: 07/30/2003
PATENT APPLICATION: **US/09/936,271B**   TIME: 11:59:54

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